

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.040	2408.520	2415.560	0.5	PASS
		2437	6.560	2433.480	2440.040	0.5	PASS
		2462	7.040	2458.520	2465.560	0.5	PASS
11G	Ant1	2412	15.080	2404.480	2419.560	0.5	PASS
		2437	15.080	2429.480	2444.560	0.5	PASS
		2462	15.080	2454.480	2469.560	0.5	PASS
11N20SI SO	Ant1	2412	15.480	2404.440	2419.920	0.5	PASS
		2437	15.040	2429.520	2444.560	0.5	PASS
		2462	15.080	2454.480	2469.560	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix B: Occupied Channel Bandwidth

Test Result

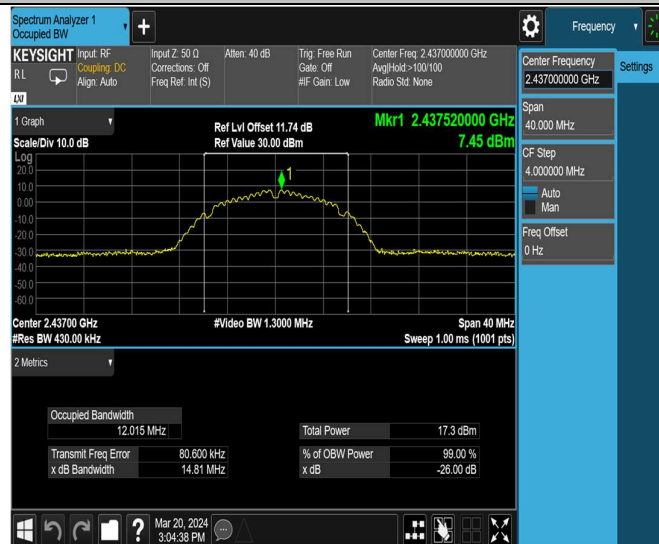
TestMode	Antenna	Channel Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.100	2406.0126	2418.1056	---	---
		2437	12.015	2431.0776	2443.0856	---	---
		2462	11.918	2456.1565	2468.0595	---	---
11G	Ant1	2412	16.722	2403.6925	2420.4135	---	---
		2437	16.702	2428.7143	2445.3993	---	---
		2462	16.892	2453.6161	2470.5021	---	---
11N20SI SO	Ant1	2412	16.722	2403.7153	2420.4143	---	---
		2437	16.747	2428.6997	2445.4017	---	---
		2462	16.893	2453.6160	2470.4970	---	---

Test Graphs

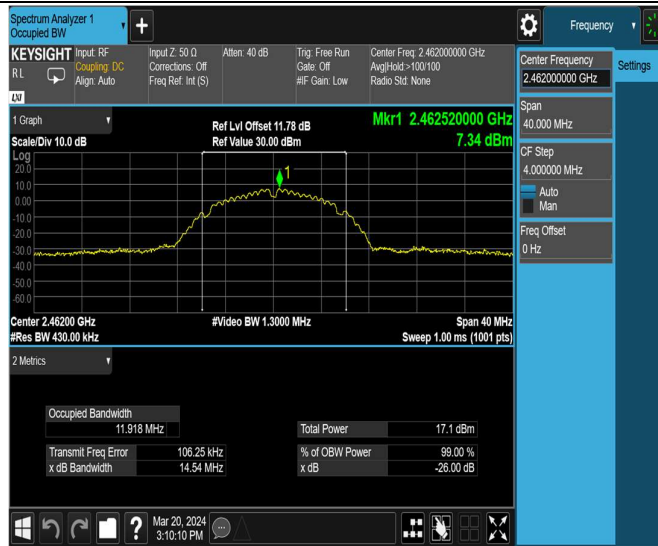
11B_Ant1_2412



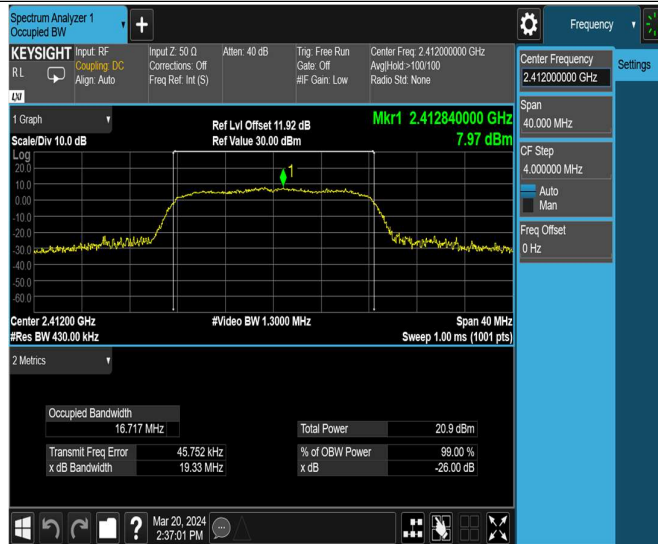
11B_Ant1_2437



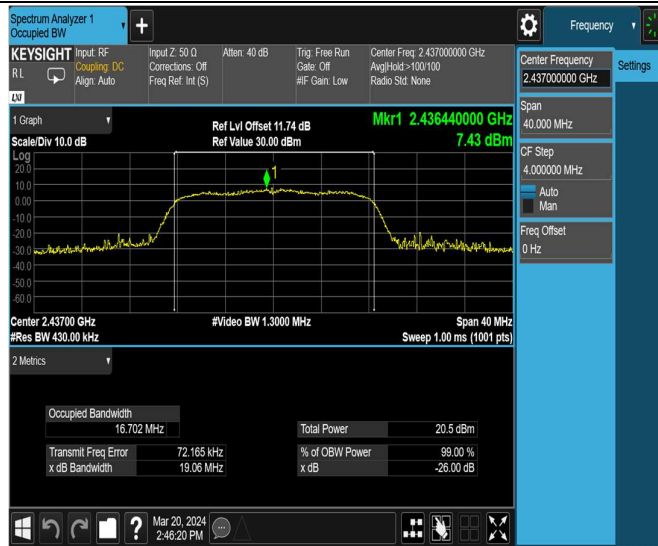
11B_Ant1_2462



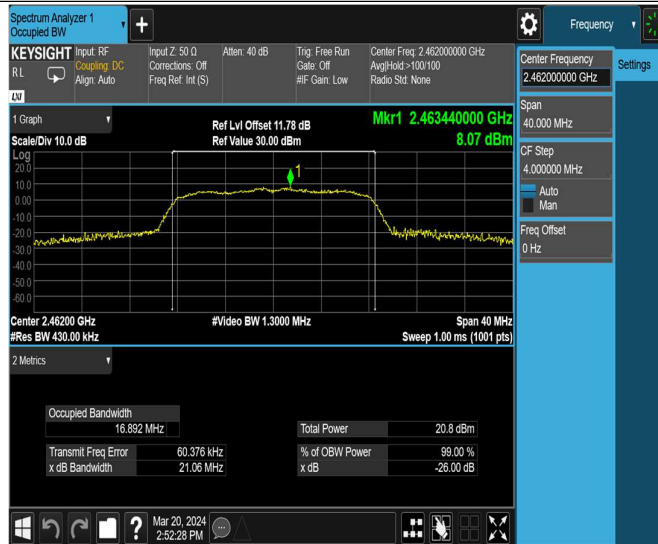
11G_Ant1_2412



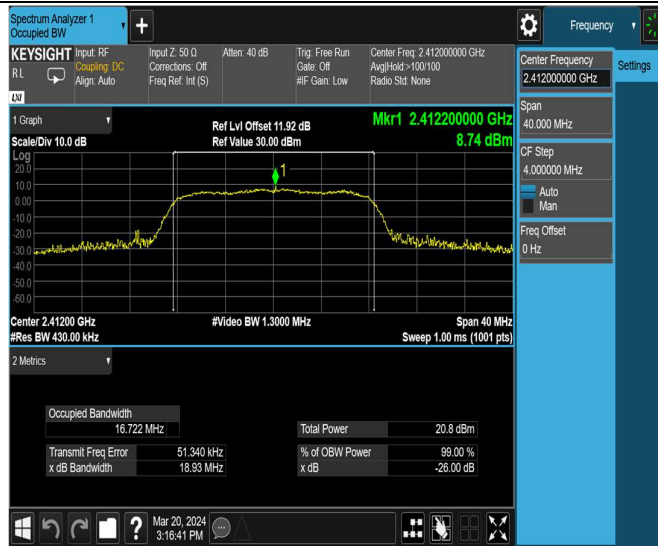
11G_Ant1_2437



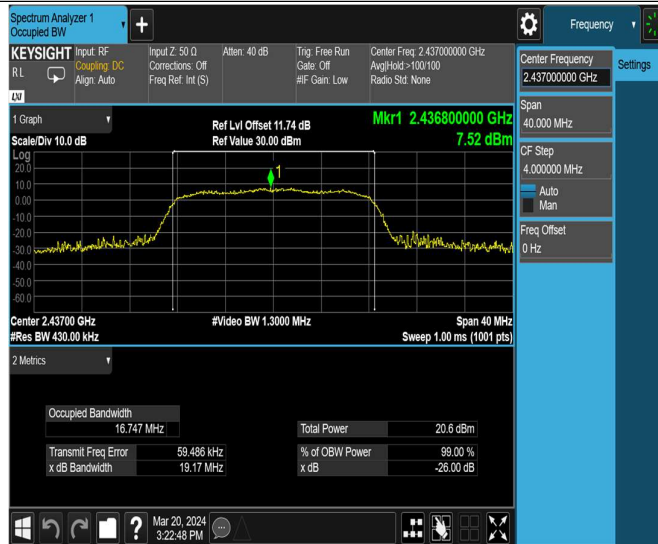
11G_Ant1_2462



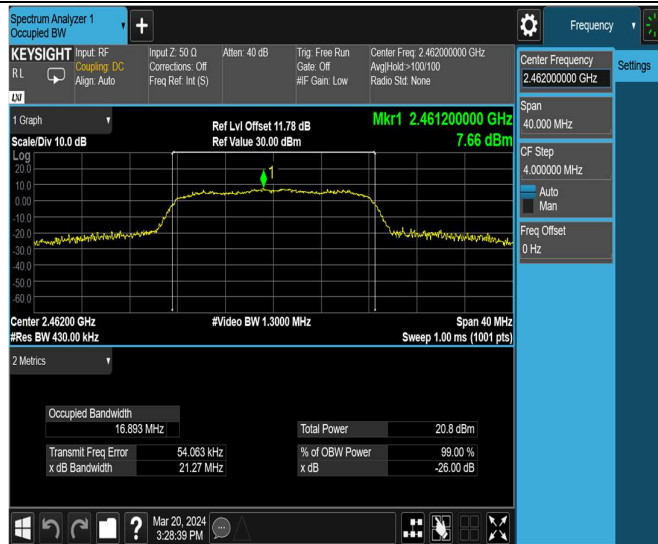
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	14.34	≤30.00	0.76	15.10	≤36.00	PASS
		2437	14.14	≤30.00	0.76	14.90	≤36.00	PASS
		2462	14.06	≤30.00	0.76	14.82	≤36.00	PASS
11G	Ant1	2412	13.66	≤30.00	0.76	14.42	≤36.00	PASS
		2437	13.34	≤30.00	0.76	14.10	≤36.00	PASS
		2462	13.58	≤30.00	0.76	14.34	≤36.00	PASS
11N20SI SO	Ant1	2412	13.65	≤30.00	0.76	14.41	≤36.00	PASS
		2437	13.37	≤30.00	0.76	14.13	≤36.00	PASS
		2462	13.60	≤30.00	0.76	14.36	≤36.00	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-15.05	≤8.00	PASS
		2437	-15.12	≤8.00	PASS
		2462	-15.01	≤8.00	PASS
11G	Ant1	2412	-18.20	≤8.00	PASS
		2437	-18.45	≤8.00	PASS
		2462	-18.67	≤8.00	PASS
11N20SISO	Ant1	2412	-18.48	≤8.00	PASS
		2437	-18.42	≤8.00	PASS
		2462	-18.47	≤8.00	PASS

Test Graphs

11B_Ant1_2412



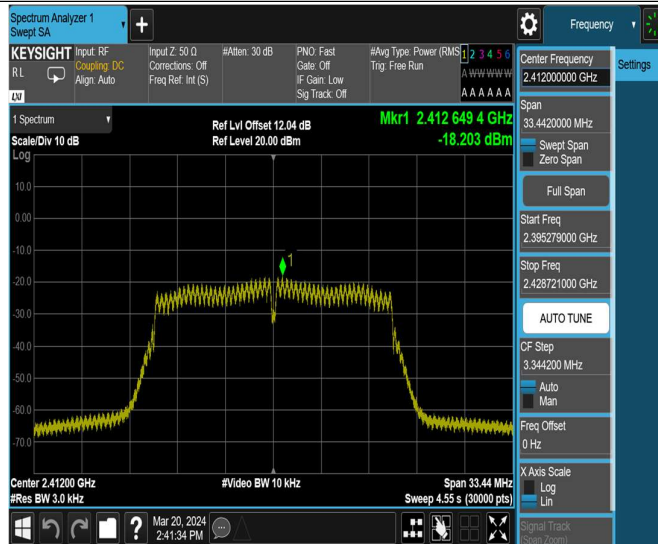
11B_Ant1_2437



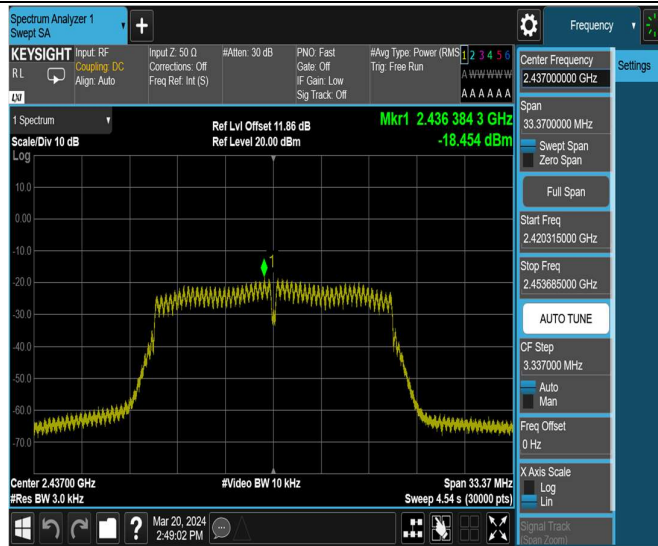
11B_Ant1_2462



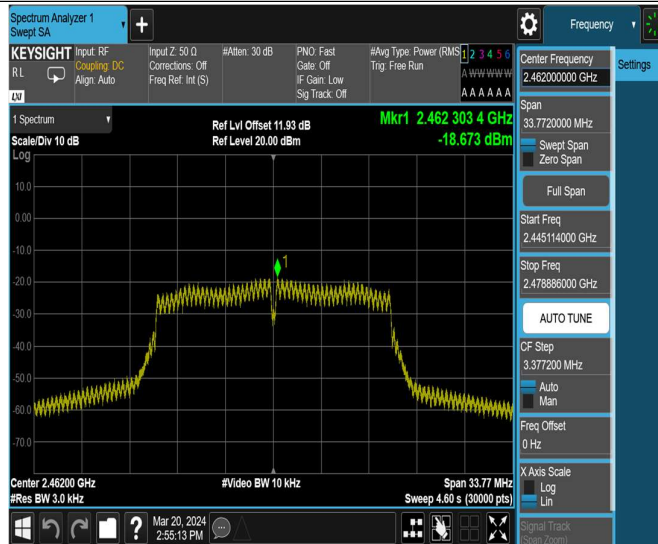
11G_Ant1_2412



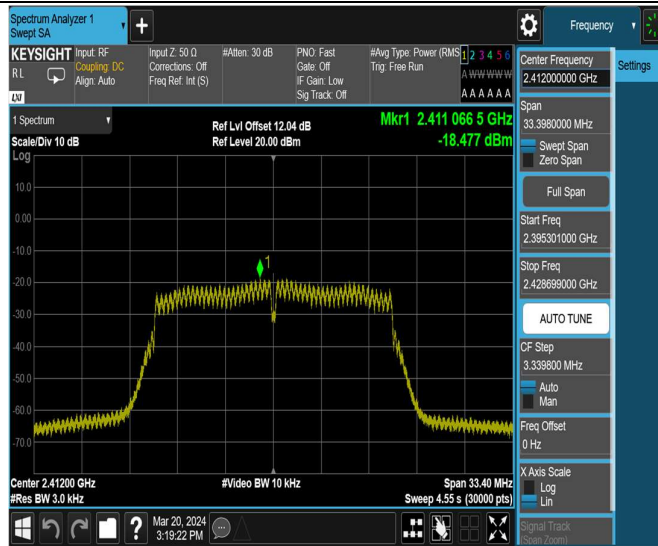
11G_Ant1_2437



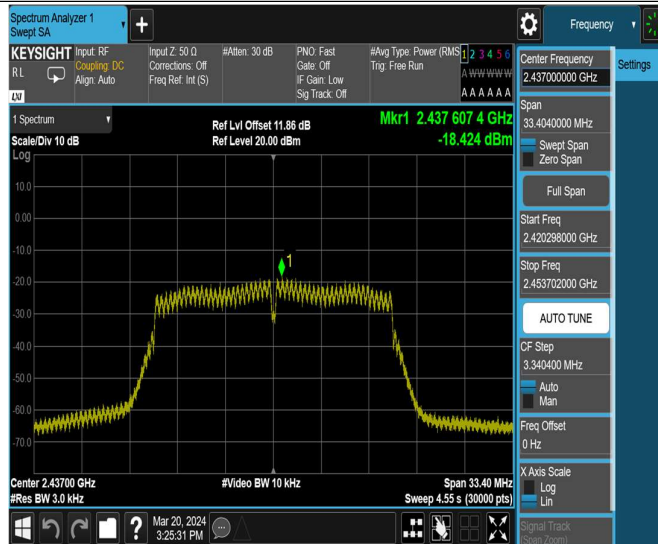
11G_Ant1_2462



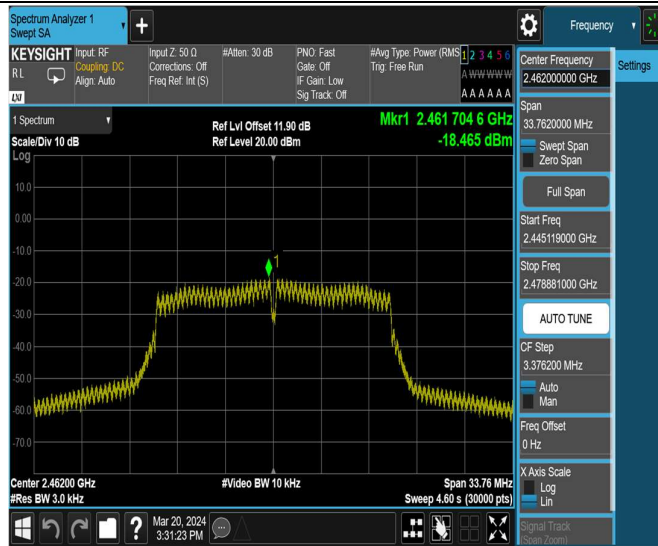
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.40	-40.79	≤-22.6	PASS
		High	2462	6.90	-42.92	≤-23.1	PASS
11G	Ant1	Low	2412	3.79	-33.46	≤-26.21	PASS
		High	2462	3.34	-35.88	≤-26.66	PASS
11N20SI SO	Ant1	Low	2412	3.37	-33.67	≤-26.63	PASS
		High	2462	3.43	-33.77	≤-26.57	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20ISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.27	7.27	---	PASS
			30~1000	7.27	-49.17	≤-22.73	PASS
			1000~2650 0	7.27	-46.95	≤-22.73	PASS
		2437	Reference	7.03	7.03	---	PASS
			30~1000	7.03	-45.75	≤-22.97	PASS
			1000~2650 0	7.03	-47.94	≤-22.97	PASS
		2462	Reference	7.24	7.24	---	PASS
			30~1000	7.24	-52.35	≤-22.76	PASS
			1000~2650 0	7.24	-49.67	≤-22.76	PASS
11G	Ant1	2412	Reference	3.31	3.31	---	PASS
			30~1000	3.31	-52.03	≤-26.69	PASS
			1000~2650 0	3.31	-47.56	≤-26.69	PASS
		2437	Reference	2.46	2.46	---	PASS
			30~1000	2.46	-52.91	≤-27.54	PASS
			1000~2650 0	2.46	-50.33	≤-27.54	PASS
		2462	Reference	3.35	3.35	---	PASS
			30~1000	3.35	-47.42	≤-26.65	PASS
			1000~2650 0	3.35	-50.29	≤-26.65	PASS

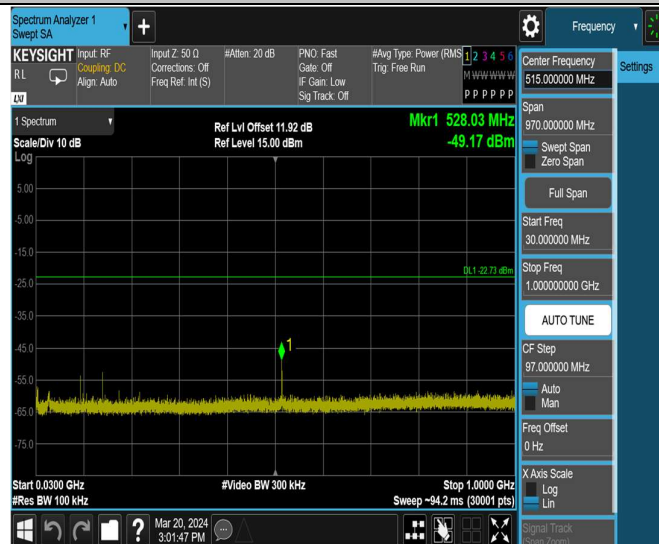
11N20Si SO	Ant1	2412	Reference	3.65	3.65	---	PASS
			30~1000	3.65	-52.39	≤ -26.35	PASS
			1000~2650 0	3.65	-49.57	≤ -26.35	PASS
		2437	Reference	3.43	3.43	---	PASS
			30~1000	3.43	-52.12	≤ -26.57	PASS
			1000~2650 0	3.43	-49.41	≤ -26.57	PASS
		2462	Reference	3.35	3.35	---	PASS
			30~1000	3.35	-48.29	≤ -26.65	PASS
			1000~2650 0	3.35	-50.53	≤ -26.65	PASS

Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



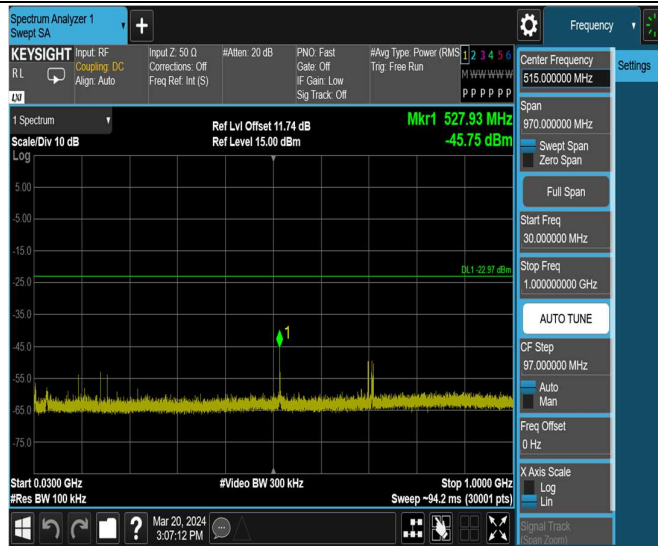
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



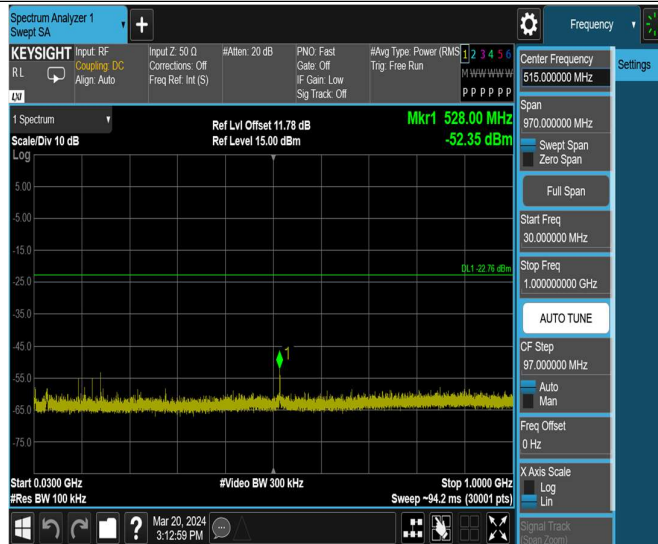
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000